

Summary Sheet

7.1.2	<i>The Institution has facilities for alternate sources of energy and energy conservation</i>	5M
Q _n M	<ol style="list-style-type: none"> 1. Solar energy 2. Wheeling to the Grid 3. Sensor-based energy conservation 4. Use of LED bulbs/ power-efficient equipment <p>File Description:</p> <ul style="list-style-type: none"> • Geotagged Photographs • Any other relevant information <p>Note: Data template is not applicable to this metric.</p>	

CLAIM

MLR Institute of Technology (MLRIT) has the following facilities for alternate sources of energy and energy conservation.

1. **Solar Energy:** 260KWP Stand-alone Solar Power Plant. Generates 3,97,800 units of power annually.
2. **Wheeling to the Grid:** The excess power generated is injected into the grid and the injected energy is adjusted in the energy bills. Energy Exports to grid is approximately **97506 kwh units annually.**
3. **Sensor-based energy conservation:** IOT based automatic control system has been developed for outdoor lights in the campus.
4. **Use of LED bulbs:** MLRIT uses LED bulbs because they are echo-friendly and run on low voltage power.

INDEX SHEET OF METRIC ID 7.1.2

Sl.No	SOLAR ENERGY	
1	Blue Print, Installation	SE INS
2	Invoice	SE INV
3	Geo Tagged Photos	SE GTP
4	Technical Report	SE TR
5	Video Clipping	SE VC
WHEELING TO THE GRID		
1	MoU with the TSSPDCL	GRID
2	Technical Report	GRID TR
3	Sample Report for Three Months	SR 3M
SENSOR-BASED ENERGY CONSERVATION		
1	Bills	SBEC BILLS
2	Geo Tagged Photos	SBEC GTP
3	Street Light Automation Project	SBEC SLAP
USE OF LED BULBS		
1	Bills and Vouchers	ULB BILLS N VOC
2	3 Months bills before and after installation.	ULB 3M BILLS
3	Geo Tagged Photos	ULB GTP
4	Video clipping	ULB VC



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